



NewsBEAT

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Congratulations Richard Hynes!



NAVBO Benditt and Schwartz honoree Richard Hynes receives 2022 Lasker Award

NAVBO is thrilled to learn that Richard Hynes, winner of our organization's [2022 Stephen Schwartz Award](#) and 2010 Benditt Award, has been named one of three winners of the [2022 Albert Lasker Basic Medical Research Award](#), in recognition of their pioneering work on integrins, key mediators of cell-matrix and cell-cell adhesion in physiology and disease. The Lasker Awards program was founded in 1945 by Albert and Mary Lasker to highlight fundamental biological discoveries and clinical advances that improve human health. The Basic Medical Research Award celebrates a foundational insight that opens up a new area of biomedical science – certainly true of the far-reaching impact the awardees' work on integrins has had on our understanding of the molecular basis of interactions of cells with their surroundings. Cheers and well done, Richard – see you in Oakland!

2022 Springer Award



Delphine Gomez Named 2022 Recipient of the Springer Junior Investigator Award

In this issue...

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Meetings/Events



Webinars - 1st Thursday
InFocus Sessions - 2nd and 4th Thursdays
Journal Clubs - 3rd Thursdays
Special Sessions on Tuesdays
([check schedule](#))



Did you know?

We've Improved the Career Center!

Simply log in using your NAVBO login (same one you use to access the Member Portal) and the job board will recognize you as an active member and automatically give you the correct member pricing. If your membership expired, you'll be able to log in, but you will not receive the member pricing. **Renew and save money on your job postings! Post an open position today!**

30-day postings are free for NAVBO members
(a savings of \$200)

The Member Portal Makes it Easy for NAVBO Members to:

- Register for an online event or upcoming conferences

Congratulations to **Delphine Gomez, Ph.D.**, Assistant Professor of Medicine, Cardiology Division, University of Pittsburgh. Join us at the 22nd International Vascular Biology Meeting, where she will present her talk, "*H3K4me2 regulates microvascular SMC recruitment and coverage during hindlimb ischemia-induced angiogenesis*," on Sunday, October 16th at 2:00PM in the East Hall of the Oakland Marriott City Center.

Join us at the IVBM!

Don't Miss Out - Attend IVBM2022!



News Flash!!!

The IVBM will now feature a lecture by **Dr. Richard Hynes**, recipient of the 2022 Lasker Award, on Sunday, October 16 just before he is presented with the Stephen Schwartz Award for Outstanding Mentorship. [Watch this video of Dr. Hynes](#), truly an outstanding mentor!

View the full program at <https://ivbm2022.org/program>

[Download the list of abstracts selected for short talks](#)

[Download the list of abstracts chosen for poster presentation](#)

Register online by October 12

Onsite registration available but each fee is increased by \$50
Please note that the IVBM is an in-person meeting.



Career Fair at the IVBM

Employers **"buy space"**
in the meeting's mobile app and
upload your job openings

Candidates view job openings in the app
and choose appointments to meet
one-on-one with recruiters

More information is on the web site:
<https://www.ivbm2022.org/career-fair/>

Inspiring Round Tables

In addition to the exciting scientific program, we are featuring two round tables developed by the NAVBO Diversity, Equity and Inclusion Committee. There is still room in these two inspiring round tables:

Empowerment Roundtable for Advancement of Gender Equity
Friday, October 14 at 5:30pm

Overcoming Systemic Barriers of Science: Academic Journeys and Unique Challenges Faced by Underrepresented Groups

Saturday, October 15 at 7:15am (there is no added charge, but this session requires pre-registration - contact sharon@navbo.org to be added to the list)

[More information about these round tables is on our web site.](#)

Technical Workshops

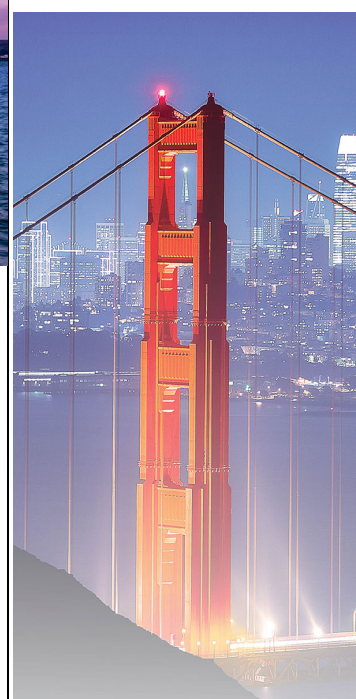


- quickly
- Easily see events for which you have registered
- Access your data and update your profile
- Renew your membership, check your current status, print invoices or receipts
- Search the Directory for other NAVBO members
- Use Research Categories to find those with like interests
- Connect directly to the Vascular Network and our Career Center



There's an app for that!

Download the **MemberPlus** app to register for events, find other NAVBO members and access resources such as the **Career Center** and the **NAVBO Academy** on your phone or tablet. **Go to the App Store or Google Play.**



22nd International
Vascular Biology Meeting
San Francisco Bay Area
October 13-17, 2022



IVBM 2022 Supporters

We gratefully
acknowledge the
support of the following
societies, academic
centers and corporations.

Grant



CALIFORNIA STEM CELL AGENCY
Corporate Support
Diamond Level

Ultrasound and Photoacoustic Imaging Approaches to Vascular Research



Miltenyi Biotec

3D Visualization of Vasculature Using Light Sheet Microscopy



Vasculature-on-Chip Applications for Drug Discovery Research



Multimodality imaging – The key to answering critical biologic questions

More information is on the web site:
<https://ivbm2022.org/workshops>

Follow the IVBM on Social Media!



Lessons Learned



Tirthadipa Pradhan-Sundd, Ph.D.

Did you ever have a sense of awe and gratefulness while writing about your work experience with a nearly trembling hand? Did you also feel like a complete imposter trying to fit in continuously in a field of star-studded individuals and talents? Science continues to give me very opposite feelings simultaneously. It provides me joy and fear in the same cup. While I am thankful to NAVBO for giving me this opportunity to share my experience as an assistant professor (read junior-

most faculty), I am also confident these lessons will keep accumulating every day as my journey continues. Over the last two years I have learned a few lessons or should I say 'survival hacks for dummies' which I am happy to share with you all.

[Read more from Dr. Pradhan-Sundd here.](#)

Lab of the Month



Lab of the Month - October 2022

The Lab of Dr. Eric Camerer

This month we are highlighting the lab of Dr. Eric Camerer, Inserm Research Director at the Paris Cardiovascular Research Center/INSERM U970/ Université Paris Cité. Find out more about his lab by visiting [his page](#) in our Lab of the Month listing.

Committee Recruitment



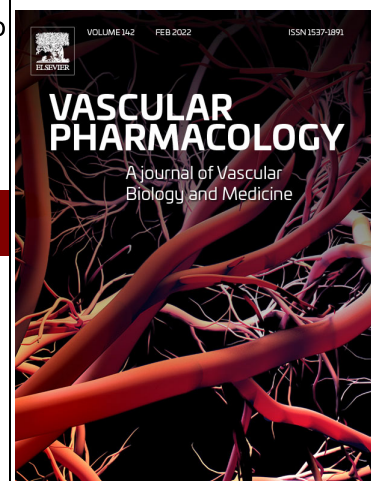
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Strategic Partners

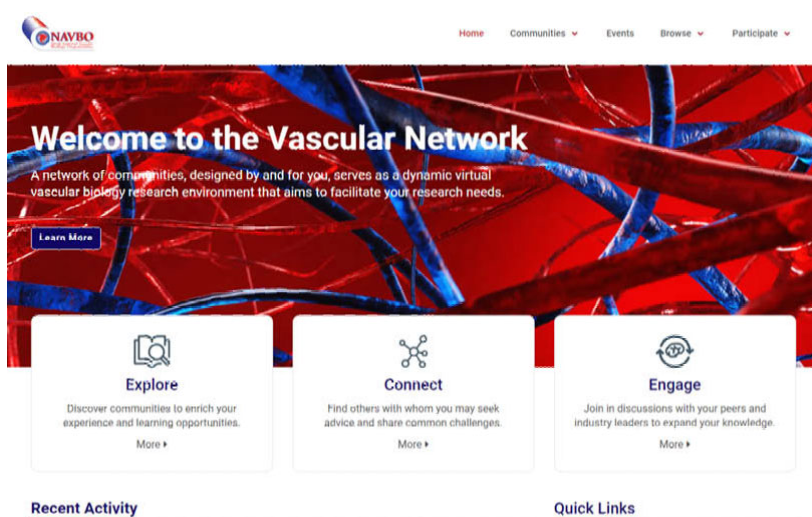


Event Partners



Contributors





Seeking Members for our Communities Committee

Our Communities Committee, led by Drs. Henar Cuervo Grajal and Morgan Salmon, engage members in conversation and collaboration.

If you would like to become more active in NAVBO, please consider joining this committee. Members of this committee pose questions and start community-wide conversations to tap into NAVBO's most important resource - its members!

Interested? Contact [Dr. Cuervo](#) or [Dr. Salmon](#).

Visit the Vascular Network Community - <https://community.navbo.org>

NAVBO Business Meeting

We will hold the NAVBO Membership Business Meeting online.

Current NAVBO members - ***please mark your calendars for October 27th at 1:00pmET*** for the NAVBO Membership Business Meeting. A link will be emailed to members.

Join NAVBO President Christopher Hughes and the NAVBO Council for up-to-date information on NAVBO activities, financial status, awards, membership and upcoming meetings. The meeting usually takes 30 minutes.

Member News

Welcome to our New Members:

Majed Abdul-Samad, Toronto General Hospital Research Institute
 Mandy (Kunze) Guo, Toronto General Hospital Research Institute
 Josef Jaros, International Clinical Research Center of St. Anne's University Hospital
 Chun Liu, Stanford University
 Joon Park, Baylor University
 Sarvatit Patel, University Health Network
 Emily Trimm, Stanford University
 Dar Weiss, Yale University

If you have news to share with your colleagues, send it to membership@navbo.org

Spotlight on Trainees

Pfizer invites applications for post-bachelor's R&D Rotational Program

Pharmaceutical powerhouse Pfizer, Inc., is seeking recent STEM graduates to apply for its two-year [R&D Rotational Program](#). The program aims to strengthen the R&D talent pipeline and support the firm's stated commitment to equity and a more inclusive workforce. With a focus on trainees from groups underrepresented in life science research and development, the program assigns participants to four unique six-month job rotations in diverse disciplines, involving meaningful projects, mentorship and coaching, and collaborative interactions to develop business acumen and technical expertise. Questions about the program may be directed to RnDRotationalProgram@pfizer.com.

Recent Member Publications

If you have a recent paper that you would like to share with NAVBO NewsBEAT subscribers, send the title and link to membership@navbo.org. *Please note, only papers authored by current NAVBO members are accepted for inclusion.*

CSR's Early Career Reviewers

The Center for Scientific Review (CSR) at the National Institutes of Health invites early career scientists to join our Early Career Reviewer program. Participants gain first-hand NIH grant review experience which can be helpful in preparing their own grants.

In brief, the program is open to those who:

- Have at least 1 year of independent research experience (assistant professors and similar roles; associate professors are not eligible and post-docs are not eligible)
- Have not held an R01 or equivalent
- Have at least one senior-authored publication (first, last, or corresponding) since earning a Ph.D. or M.D. and at least one in

Participating Societies Partners



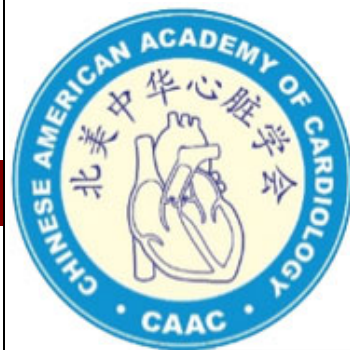
The Japanese Vascular Biology and Medicine Organization



Sponsors



AUSTRALIAN VASCULAR BIOLOGY SOCIETY



Guests



the last 2 years
- Have submitted an NIH grant application and received the summary statement

Details and the application can be found here:
<https://public.csr.nih.gov/ForReviewers/BecomeARviewer/ECR>

Questions are welcome – CSRearlycareerreviewer@mail.nih.gov

Industry News

Golden Goose Awardees for 2022 announced

The annual [Golden Goose Awards](#), inspired by US Rep. Jim Cooper (TN) and administered by AAAS, highlight federally-funded basic research projects that have had extraordinary impact. The 2022 Awards went to researchers who, variously supported by the NIH, NSF, DoD and DoE, developed a low-cost, readily transportable microscope; pioneered the use of lasers for eye surgery; and discovered a potent non-opioid analgesic in the venom of cone snails. True to the founder's vision, these awards "...recognize the tremendous human and economic benefits of federally funded research by highlighting examples of seemingly obscure studies that have led to major breakthroughs and resulted in significant societal impact."

Manners matter

Writing in the NIH's [Extramural Nexus](#), Mike Lauer explores anonymized case studies that describe fraught interactions between grant applicants and Scientific Review Officers or other NIH officials. Mike's piece serves as a reminder that wherever scientific ideas are exchanged or career welfare is at stake, risk of uncivil behavior lurks. Everyone – personnel at sponsoring organizations and funded laboratories alike – benefits from working in an environment free of harassment, bullying, intimidation, threats, or other disruptive behaviors. Quoting the late RBG, Mike notes that we "...can disagree without being disagreeable."

John Bluford to deliver Sullivan lecture at the AAMC's annual meeting

The [2022 Sullivan Lecture](#), to be delivered as part of the American Association of Medical College's annual meeting, will feature John W. Bluford, founder of the Bluford Healthcare Leadership Institute. In his address, titled "A Long-Term Strategy to Eliminate Healthcare Disparities (Love, Hype & Passion)," Bluford will discuss experiences with corporate leadership, findings from case studies, and the importance of coaching, mentoring, and sponsoring minority talent. The award honors the visionary leadership of Louis W. Sullivan, MD, former Secretary of the U.S. Department of Health and Human Services (1989-93) and founder of the [Sullivan Alliance to Transform the Health Professions](#).

Summer Programs



PRIDE CVD-CGE

Cardiovascular Disease Comorbidities, Genetics and Epidemiology
July 11-27, 2022 at the University of Washington in St. Louis

The NHLBI-funded "Programs to Increase Diversity Among Individuals Engaged in Health-Related Research" support junior faculty underrepresented in biomedical research.

Space is limited for the mentored program starting summer 2022.
Apply early!

[Learn more . . .](#)

More PRIDE Programs:

- [Cardiovascular Health-Related Research](#) (SUNY Downstate Health Sciences University)
- [Future Faculty of Cardiovascular Sciences](#) (UC San Diego)
- [Research in Implementation Science for Equity](#) (UC San Francisco)

Call for Papers/Proposals



Academic
Summa Cum Laude



BRIGHAM AND WOMEN'S
HOSPITAL
CARDIOVASCULAR MEDICINE



Magna Cum Laude

Northwestern Medicine
Feinberg School of Medicine



Cum Laude



UCSF

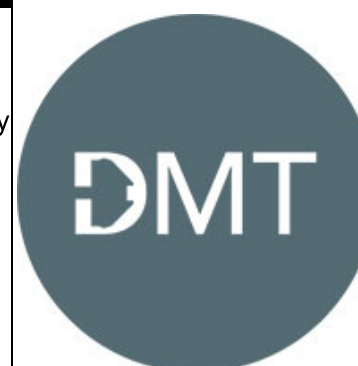


THE WALL CENTER
PULMONARY VASCULAR DISEASE
@STANFORD

Contributors



Exhibitors



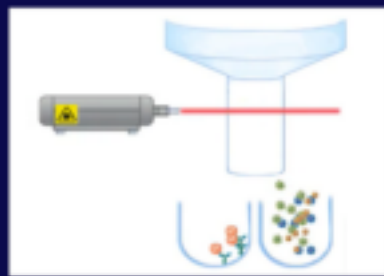
FLUXION



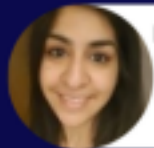
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Emerging Methods in Profiling Endothelial Cells at Single-Cell Resolution



Zhen B. Chen
City of Hope,
Department of Diabetes
Complications and
Metabolism



Naseeb Kaur Malhi
City of Hope,
Department of Diabetes
Complications and
Metabolism

JOVE | Methods Collections

Are you using leading-edge techniques to profile endothelial cells at single-cell resolution? Consider submitting your work to a new JoVE collection guest-edited by NAVBO members, **Dr Zhen Bouman Chen** (2020 Springer Junior Investigator Award winner) and Dr. **Naseeb Malhi** at City of Hope! For more information or to submit an abstract, please email zhenchen@coh.org or [follow this link](#).

frontiers | Frontiers in Physiology

Novel Adipose Regulation of Vascular Physiology and Cardiovascular Disease



Carolina Restini, Michigan State University, United States
Cameron G McCarthy, University of South Carolina, United States
Jessica Faulkner, Augusta University, United States

Topic Editors

Research Topic
now open for
submissions

Novel Adipose Regulation of Vascular Physiology and Cardiovascular Disease hosted by Drs. Carolina Restini (Michigan State University), **Cameron G. McCarthy** (University of South Carolina School of Medicine) and Jessica L. Faulkner (Medical College of Georgia at Augusta University).

It is well established that adipose tissue has profound influence on organ function via paracrine and endocrine signaling. Specifically, adipose tissue is able to express and secrete various bioactive molecules (e.g. adipokines). However, depending on the type of fat (brown or white), the organ, and the embryological origin, adipose tissues may diverge in the production/secretion of specific metabolites and how they subsequently affect organ function. Therefore, how adipose tissue contributes to homeostatic vascular physiology and the pathogenesis of cardiovascular disease is far-reaching, as are possible therapeutic targets. In this issue, we aim to bring together a collection of state-of-the-art articles that illustrates this potential and contributes significantly to combating the prevalence and incidence of cardiovascular disease by targeting adipose tissue depots.

Submit your paper here: <https://www.frontiersin.org/research-topics/27566/novel-adipose-regulation-of-vascular-physiology-and-cardiovascular-disease>

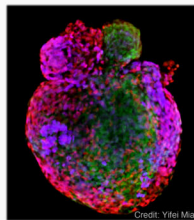
frontiers
in Cardiovascular Medicine
Impact factor: 6.05

frontiers
in Pediatrics
Impact factor: 3.418

Molecular Mechanisms Underlying Single Ventricle Defect

Yifei Miao, Cincinnati Children's Hospital Medical Center, United States
Shuyi Nie, Georgia Institute of Technology, United States
Mingtao Zhao, Nationwide Children's Hospital, United States

Topic Editors



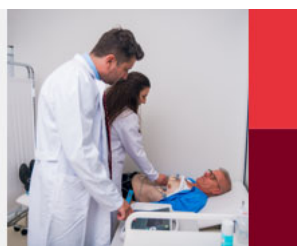
Molecular Mechanisms Underlying Single Ventricle Defect hosted by Drs. Yifei Miao (Cincinnati Children's Hospital Medical Center), Shuyi Nie (Georgia Institute of Technology), and Mingtao Zhao (Nationwide Children's Hospital).

Single ventricle defects (SVD) are among the most complex congenital heart problems and manifest as the underdevelopment of one heart chamber and associated valvular structures. We have organized a special issue on **Frontier in Pediatrics and Cardiovascular Medicine** to collect the current progress into understanding the molecular contributions to SVD.

For more information or to submit an abstract, please email us or use this link: <https://www.frontiersin.org/research-topics/37616/molecular-mechanisms-underlying-single-ventricle-defect>

frontiers | Research Topics

EndMT in Cardiovascular Diseases



Kent Scientific CORPORATION

mbf
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VascularBiology
in disease, injury & regeneration

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Value from Innovation

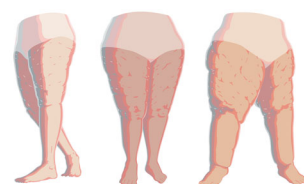
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impedance-based cell monitoring

VascularBiology
in disease, injury & regeneration

Affiliated Journals

“EndMT in Cardiovascular Diseases” hosted by Drs. Mabruka Alfaidi (LSU Health Shreveport, USA), J. Geoffrey Pickering (Western University London, Canada) and Paul Evans (University of Sheffield, UK).

Endothelial-to-mesenchymal transition (EndMT) is characterized by multiple morphological and physiological changes, including loss of endothelial cell polarity, disruption of intercellular junctions, migration, altered extracellular matrix secretion, and increased proliferation. EndMT is a fundamental process during early development, however, it has been identified in a multitude of cardiovascular disease processes such as progressive atherosclerotic plaques, valvular heart disease, myocardial infarction, pulmonary hypertension, and cardiac fibrosis and remodeling in heart failure. EndMT entails a spectrum of cell phenotypic changes in which endothelial cells (ECs) downregulate their adhesion junction molecules (e.g. CD31, VECAD) and upregulate contractile and invasive markers (e.g. SMA, nCAD, CNN1). During development and in the process of transition, ECs delaminate from an organized cell layer and invade the underlying tissue. However, there is less understanding of these processes in the post-development stages, especially during the pathogenesis of cardiovascular diseases.

Submit your paper here: <https://www.frontiersin.org/research-topics/42648/endmt-in-cardiovascular-diseases>

Abstract Submission Deadline: 04 October 2022
Manuscript Submission Deadline: 04 December 2022



Cardiovascular Pathology

frontiers Impact Factor 6.050
in Cardiovascular Medicine

Open Access
ISSN: 2574-1209 (Online)

VP VESSEL PLUS

Signaling and Therapy in Cerebral Cavernous Malformations

Guest Editors:
Dr. Robert Shenkar
Dr. Jun Zhang

www.vpjournal.net **ONZ**

Special issue title: **Signaling and Therapy in Cerebral Cavernous Malformations**

Introduction: Cerebral cavernous malformations (CCMs) are ectatic capillary-venous malformations that develop in approximately 0.5% of the population. These malformations, which can vary in size from 2 millimeters to several centimeters in diameter, may be hereditary but most often occur on their own. As opposed to other kinds of hemangiomas, CCM vessels, which have the appearance of a small mulberry, develop and create problems in the brain or spinal cord. Patients with CCMs may develop headaches, focal neurologic deficits, seizures, and hemorrhages. In this special issue, we aim to report latest advances of CCMs.

Submit your paper here:
https://vpjournal.net/journal/special_detail/1090

Submission Deadline: 31 March 2023

Calendar of Events

October 13 - 16, 2022	Career Fair at the IVBM
October 13 - 17, 2022	22nd International Vascular Biology Meeting
October 20, 2022	International Symposium on Retinal and Choroidal Angiogenesis
October 24 - 27, 2022	Critical Issues in Tumor Microenvironment: Angiogenesis, Metastasis and Immunology
Oct. 30 - Nov. 4, 2022	The 2022 Gordon Research Conference on Lymphatics
January 7 - 8, 2023	First Regional EVSS Conference

[Visit the NAVBO Calendar of Events for more meetings](#)



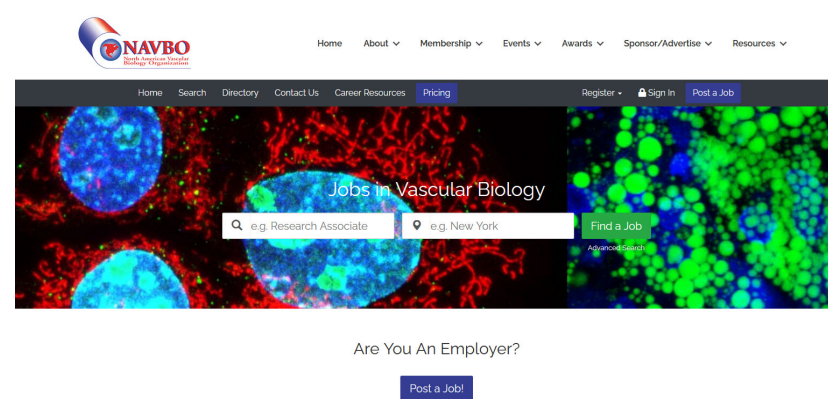
TRON

JUNIOR GROUP LEADER (M/F/D)

to establish a Research Group on "Modulating inflammation in cardiovascular disease".

Job Postings

Job Title	Company	Location
Postdoctoral fellow/Research Associate-Laboratory of Molecular and Translational Vascular Research	Weill Cornell Medical College	New York, NY
Postdoctoral Fellow Position	Cleveland Clinic Lerner Research Institute	Cleveland, OH
Postdoctoral Fellow	Saint Louis University School of Medicine	St. Louis, MO
Post Doctoral Scholar	University of Western Ontario	London, ON, Canada
Postdoctoral Fellow Position	Johns Hopkins University School of Medicine	Baltimore, MD
Bioinformatics Trainer / Analyst	Oklahoma Medical Research Foundation	Oklahoma City, OK



NAVBO

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Jobs in Vascular Biology

Search: e.g. Research Associate Location: e.g. New York Find a Job

Are You An Employer? [Post a Job!](#)

Post an open position today!

30-day postings are free for NAVBO members (a savings of \$200)

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 (301) 760-7745



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